

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/JP2004/011854

A. CLASSIFICATION OF SUBJECT MATTER  
 IPC 7 C01B21/14 C01B21/14

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
 IPC 7 C01B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 197 33 681 A1 (BASF AG, 67063 LUDWIGSHAFEN, DE) 11 February 1999 (1999-02-11) cited in the application * page 5, lines 38-42; comparative examples *	1-39
X	----- DATABASE CA 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; BANSHO, KUMIKO ET AL: "Production of free hydroxylamine aqueous solution with high yield" XP002350144 retrieved from STN Database accession no. 136:202673 abstract -/--	1



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

21 October 2005

Date of mailing of the international search report

03/11/2005

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
	& JP 2002 068719 A2 (TORAY FINE CHEMICALS KK, JAPAN) 8 March 2002 (2002-03-08) -----	
A	US 5 472 679 A (LEVINTHAL ET AL) 5 December 1995 (1995-12-05) column 4, line 47 - line 63; claims; examples 5-7 -----	1,2,20
A	US 6 485 700 B1 (BANSHO KUMIKO ET AL) 26 November 2002 (2002-11-26) claims; example 1 -----	1,2,20
A	DE 35 28 463 A1 (BASF AG) 19 February 1987 (1987-02-19) cited in the application the whole document -----	1,2,20
A	US 4 707 294 A (MATHEW ET AL) 17 November 1987 (1987-11-17) column 4, line 36 - line 41; claims -----	1,2,20

### Information on patent family members

PCT/JP2004/011854

Form PCT/ISA/210 (patent family annex) (January 2004)

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/JP2004/011854

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP 2002068719	A2	---	
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US 5472679	A	05-12-1995	NONE
US 6485700	B1	26-11-2002	JP 3394980 B2 07-04-2003 JP 2000211905 A 02-08-2000
DE 3528463	A1	19-02-1987	NONE
US 4707294	A	17-11-1987	NONE